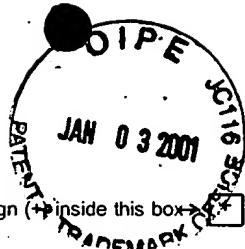


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PTO/SB/81 (11-96)

Approved for use through 6/30/99. OMB 0651-0035

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APPLICATION**

Application Number	09/664,029
Filing Date	September 19, 2000
First Named Inventor	Subir VARMA
Group Art Unit	Not Assigned
Examiner Name	Not Assigned
Attorney Docket Number	164.1014.01

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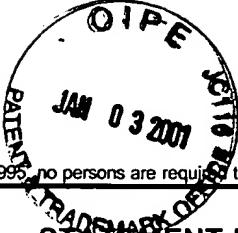
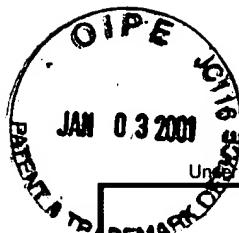
Applicant.

Assignee of record of the entire interest
Certificate under 37 CFR 3.73(b) is enclosed

SIGNATURE of Applicant or Assignee of Record

Name	Reza Majidi-Ahy, President and CEO
Signature	
Date	10-25-2000

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PTO/SB/96 (6-98)

Approved for use through 09/30/2000, OMB 0651-0031
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Subir VARMA

Application No./Patent No.: 09/664,029 Filed/Issue Date: September 19, 2000

Entitled: Synchronized Plural Channels for Time Division Duplexing

Aperto Networks, Inc. , a Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

- the assignee of the entire right, title, and interest; or
- an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

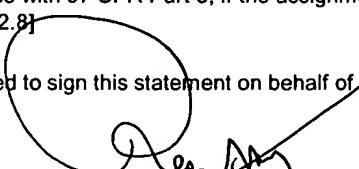
Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

10-25-2000

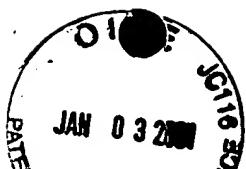
Date


Signature
Reza Majidi-Ahy

Typed or printed name

President and CEO

Title



22883

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PTO/SB/10 (1-99)

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**STATEMENT CLAIMING SMALL ENTITY STATUS
(37 CFR 1.9(f) & 1.27(c))--SMALL BUSINESS CONCERN**Docket Number (Optional)
164.1014.01

Subir VARMA

Applicant, Patentee, or Identifier: _____

09/664,029

Application or Patent No.: _____

September 19, 2000

Filed or Issued: _____

Title: Synchronized Plural Channels for Time Division Duplexing

I hereby state that I am

the owner of the small business concern identified below.
 an official of the small business concern empowered to act on behalf of the concern identified below.

NAME OF SMALL BUSINESS CONCERN _____ Aperto Networks, Inc.

ADDRESS OF SMALL BUSINESS CONCERN _____ 1637 So. Main Street
Milpitas, CA 95035

I hereby state that the above identified small business concern qualifies as a small business concern as defined in 13 CFR Part 121 for purposes of paying reduced fees to the United States Patent and Trademark Office. Questions related to size standards for a small business concern may be directed to: Small Business Administration, Size Standards Staff, 409 Third Street, SW, Washington, DC 20416.

I hereby state that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention described in:

the specification filed herewith with title as listed above.
 the application identified above.
 the patent identified above.

If the rights held by the above identified small business concern are not exclusive, each individual, concern, or organization having rights in the invention must file separate statements as to their status as small entities, and no rights to the invention are held by any person, other than the inventor, who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person made the invention, or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d), or a nonprofit organization under 37 CFR 1.9(e).

Each person, concern, or organization having any rights in the invention is listed below:

no such person, concern, or organization exists.
 each such person, concern, or organization is listed below.

Separate statements are required from each named person, concern or organization having rights to the invention stating their status as small entities. (37 CFR 1.27)

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

NAME OF PERSON SIGNING _____ Reza Majidi-Ahy

TITLE OF PERSON IF OTHER THAN OWNER _____ CEO

ADDRESS OF PERSON SIGNING _____ 1637 So. Main Street, Milpitas, CA 95035

SIGNATURE _____ DATE 10-25-2000

COPY



22883

PATENT TRADEMARK OFFICE

164.1014.01

ASSIGNMENT

WHEREAS, We, Subir Varma, a citizen of United States, residing at 6886 Village Wood Way, San Jose, California 95120, and Joseph Hakim, a citizen of Canada, residing at 759 Lakebird Drive, Sunnyvale, California 94089, have invented a "Synchronized Plural Channels for Time Division Duplexing" for which we have executed application papers for a U.S. patent thereon, which was filed on September 19, 2000, Serial No. 09/664,029; and

WHEREAS, Aperto Networks, Inc. a California corporation, having a place of business at 1637 South Main, San Jose, California 95035, is desirous of acquiring the exclusive right, title and interest in and to said invention and in and to the Letters Patent to be granted and issued therefor in the United States of America and its territories and possessions, and in all countries foreign thereto;

NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, We, Subir Varma, and Joseph Hakim, do sell, assign, transfer and set over unto the said Aperto Networks, Inc., its successors and assigns, the full and exclusive right, title and interest in and to said invention, and in and to any and all letters patent to be granted and issued therefor, not only for, to and in the United States of America, its territories and possessions, but also for, to and in all other countries including all priority rights under the International Convention; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said Aperto Networks, Inc., its successors and assigns, in accordance with this Assignment.

WITNESS OUR HAND at _____, this 6th day of
October, 2000.





COPY



22883

PATENT TRADEMARK OFFICE

164.1014.01

ASSIGNMENT

WHEREAS, We, Subir Varma, a citizen of United States, residing at 6886 Village Wood Way, San Jose, California 95120, and Joseph Hakim, a citizen of Canada, residing at 759 Lakebird Drive, Sunnyvale, California 94089, have invented a "Synchronized Plural Channels for Time Division Duplexing" for which we have executed application papers for a U.S. patent thereon, which was filed on September 19, 2000, Serial No. 09/664,029; and

WHEREAS, Aperto Networks, Inc. a California corporation, having a place of business at 1637 South Main, San Jose, California 95035, is desirous of acquiring the exclusive right, title and interest in and to said invention and in and to the Letters Patent to be granted and issued therefor in the United States of America and its territories and possessions, and in all countries foreign thereto;

NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, We, Subir Varma, and Joseph Hakim, do sell, assign, transfer and set over unto the said Aperto Networks, Inc., its successors and assigns, the full and exclusive right, title and interest in and to said invention, and in and to any and all letters patent to be granted and issued therefor, not only for, to and in the United States of America, its territories and possessions, but also for, to and in all other countries including all priority rights under the International Convention; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said Aperto Networks, Inc., its successors and assigns, in accordance with this Assignment.

WITNESS OUR HAND at _____, this 6th day of
October, 2000.

Subir Varma

Joseph Hakim